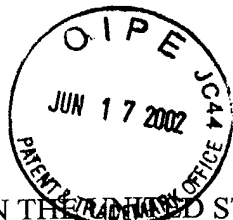


S/N 10/055640



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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	SHIRAISHI et al.	Examiner:	Unknown
Serial No.:	10/055640	Group Art Unit:	Unknown
Filed:	22 January 2002	Docket No.:	10873.867US01
Title:	PIEZOCOMPOSITE, ULTRASONIC PROBE FOR ULTRASONIC DIAGNOSTIC EQUIPMENT, ULTRASONIC DIAGNOSTIC EQUIPMENT, AND METHOD FOR PRODUCING PIEZOCOMPOSITE		

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on June 12, 2002.

By: 

Name: Kate Ryan

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(b))

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted before the mailing date of a first Office Action on-the-merits. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F.R. § 1.98(a)(2), a copy of each document or other information listed on the enclosed Form 1449 is provided.

A concise explanation of the relevance of each non-English language document or other information is as follows (37 C.F.R. § 1.98(a)(3)):

An English abstract is provided for the first five-listed Japanese references.

US 5,676,906 is the English equivalent to JP 2924664.

A partial verified English translation of the *Ultrasonic Wave Handbook* is attached.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to

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establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

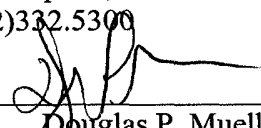
Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account No. 13-2725.

Respectfully submitted,

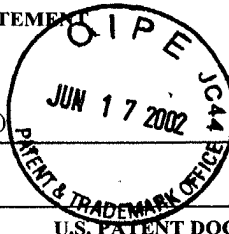
MERCHANT & GOULD P.C.
P.O. Box 2903
Minneapolis, MN 55402-0903
(612)332.5300

Dated: 12 June 2002

By: 
Douglas P. Mueller
Reg. No. 30,300

DPM/kjr

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 10873.867US01	Application Number: 10/055640
	Applicant: SHIRAIISHI et al.	
	Filing Date: 22 January 2002	Group Art Unit: Unknown



U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	4,514,247	Apr 1985	Zola				
	4,572,981	Feb 1986	Zola				

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	61-195000	Aug 1986	Japan			Abstract	
	60-85699	May 1985	Japan			Abstract	
	58-21883	Feb 1983	Japan			Abstract	
	2-51289	Feb 1990	Japan			Abstract	
	11-274592	Oct 1999	Japan			Abstract	
	2924664	May 1999	Japan			See IDS	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	<i>Ultrasonic Wave Handbook</i> , Section 3.3.10a, Maruzen Kabushiki Kaisha (1999).
	Smith, W.A., "The role of piezocomposites in ultrasonic transducers," <i>Ultrasonics Symposium</i> , 755-766 (1989).

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EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	